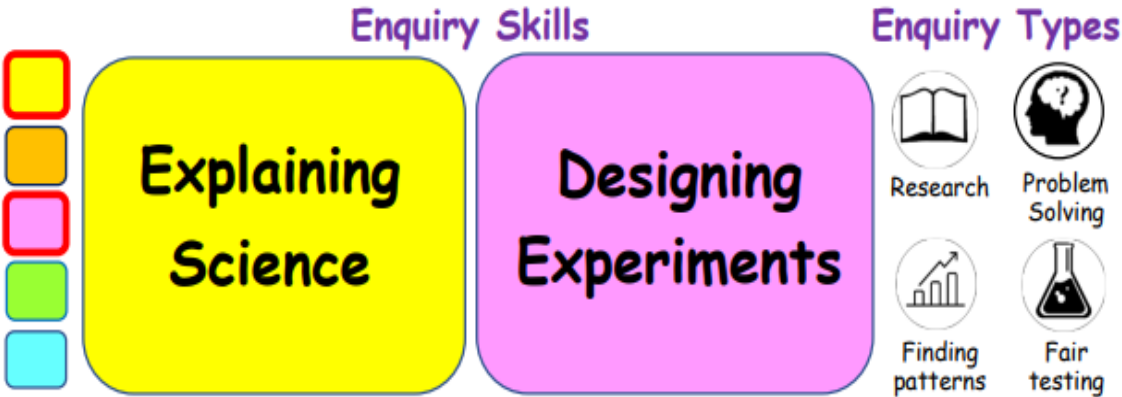


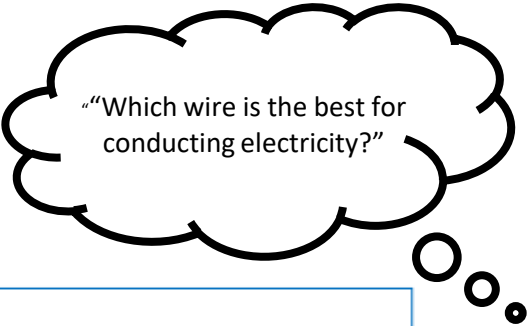
Year 6 Term 3: Electricity.

Key Vocabulary	
circuit	A path that an electrical current can flow around.
symbol	A visual picture that stands for something else.
cell/battery	A device that stores chemical energy until it is needed. A cell is a single unit. A battery is a collection of cells .
current	The flow of electrons , measured in amps .
amps	How electric current is measured.

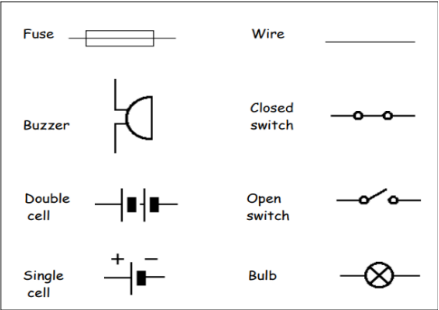
voltage	The force that makes the electric current move through the wires. The greater the voltage , the more current will flow.
resistance	The difficulty that the electric current has when flowing around a circuit .
electrons	Very small particles that travel around an electrical circuit .



Our Scientific Enquiry Question



What are symbols?



Key Knowledge

- Confidently construct/draw a range of series circuits with correct symbols.
- Link 'effect' (brightness/loudness) with the voltage of battery cells used.
- Explain variations in how components function in a range of series circuits.
- Begins to explain component 'failure' due to electrical resistance.

Energy Transfer Model

The battery creates a 'push' (**Voltage**) of electrical energy. The bigger the Voltage, the more energy is transferred around the circuit (energy & voltage will be the same anywhere on the circuit).

Electrical energy transfers (**flows**) around the circuit (as **electric current**) to make components work.

A **switch** connects (closed) or breaks (open) the circuit. This controls the flow of electrical energy to turn the circuit on or off.

